

We Claim:

1. Photographic capturing device for the capturing of photographic image information from photographic media, comprising a light integrator for receiving and homogenizing light emitted from LED chips in a color specific for the respective LED chip and for emitting the light from an output opening in order to illuminate a photographic medium carrying photographic image information, a detection means for detecting the light modulated by the photographic medium according to the image information, a number of LED chips each having a specific light emission color, the number of LED chips including LED chips of at least three different colors, the LED chips being mounted on at least one heat conducting substrate with the LED chips being in heat conducting contact with the substrate.
2. Photographic capturing device according to claim 1, wherein the at least one substrate is connected for heat conduction with a heat sink and conducts the heat taken up from LED chips to the heat sink.
3. Photographic capturing device according to claim 1, wherein the LED chips are so densely packed for the achievement of a high light density that they cover more than 10 % of the surface over which they are distributed.
4. Photographic capturing device according to claim 1, wherein a microlens arrangement which includes a multitude of microlenses, is positioned on a light integrator side of the LED chips in such a way that each microlens is associated with one LED chip for the bundling of the light emitted therefrom.
5. The photographic capturing device according to claim 1, wherein the light integrator is formed as a cavity in which light is reflected and from which light is emitted through an output opening, whereby the LED chips are positioned at or in the input openings of the cavity in such a way that the chips directly illuminate a majority of the cavity without reflection and without directly illuminating the output opening.
6. Photographic capturing device according to claim 1, wherein respectively at least one group of blue, green and red emitting LED chips is provided, whereby more blue and green LED chips are provided than red LED chips.

7. Photographic capturing device according to claim 1, further comprising a control arrangement for the groupwise control of the LED chips, whereby each group includes LED chips of an emission color equal within the group but different from group to group, the control arrangement activating the light emission of the groups individually and sequentially respectively for a preselected time, whereby a photoelectric converter is provided as detection means for producing signals the reading of which is synchronized with the light emission of the groups for distinguishing the received emission color, so that the output signals can respectively be associated with the emission of a specific group.

8. Photographic capturing device according to claim 1, further comprising a first optical arrangement for exposing the photographic medium positioned at a preselected position onto the detection means, and a second optical arrangement for projecting the output opening enlarged onto the first optical arrangement.

9. Photographic capturing device according to claim 1, further comprising a holding arrangement for holding the photographic medium at a position preselected for the illumination, the holding arrangement including at least two masks, whereby each mask is provided for a photographic medium with different format, for selectively holding the photographic medium with a suitable mask at the preselected position, whereby respectively one of the masks is selectively positioned by way of an exchange mechanism at the preselected position.

10. The photographic capturing device according to one of claims 1 to 9, constructed as a scanner or printer.